

Cambrian and Westphalian Essence.—Barbadoes tar, 1 part; liquid burnt sugar, 2 parts; common salt, 4 parts; water, 100 parts; spirit of wine, 1 part. Mix, and let it stand for a week. Two or three table-spoonsful mixed with the salt will be found quite sufficient for a common sized ham.

To render permanent Chalk or Pencil Drawings.—Lay the drawing on its face and give the back two or three thin coats of the following (No 1.) mixture; let it dry, and turn it with the chalk upwards, and give that side one or two coats also; lastly, if you choose, give it one or two coats of No. 2.

1. Isinglass or gum arabic, 5 parts; water, 12 parts. Mix.

2. Canada balsam, 4 parts; turpentine, 5 parts. Mix.

Pale Carriage Varnish.—Take copal, 32 parts; pale oil, 80 parts; fuse boil until stringy, then add dried white copperas, 1 part; litharge, 1 part. Boil again, then cool a little, and mix in spirits of turpentine, 150 parts. Strain.

While making the above—Take gum anime, 32 parts; pale oil, 80 parts; dried sugar of lead, 1 part; litharge, 1 part; spirits of turpentine, 170 parts. Pursue the same treatment as before, and mix the two varnishes while hot.

Second Quality Carriage Varnish.—Take gum anime, 32 parts; oil, 100 parts; spirits of turpentine 150 parts; litharge, 1 part; dried sugar of lead, 1 part; dried copperas, 1 part. Proceed as before.

To sweeten Musty or Stinking Casks.—1. First wash them with sulphuric acid, and then with clear water; afterwards wash them well out with water.

2. For large casks, unhead them and white-wash them with quicklime.

3. Or match them with sulphur mixed with a little nitrate of potash, and afterwards wash them well with water.

4. Char the inside of the staves.

Observe in every case to scald or well wash the casks out before use.

To fix Crayon Colors.—Paste your paper on canvass, in a frame, in the usual way, then brush over the back two or three times with the following mixture, and when the last coat is dry give the face of the picture one or two coats in the same way. This will make it resemble an oil painting. Spirits of turpentine, 10 parts; boiled oil, 6 parts. Mix.

Sir H. Davy's Corn Solvent.—Potash, 2 parts; salt scrrel, 1 part. Mix in fine powder. Lay a small quantity on the corn for four or five successive nights, binding it on with rags.

Black Copal Varnish.—Take lamp-black or ivory black in fine powder, and mix it with the varnish.

To clean Colored Silks.—Put some white soap into boiling water, and heat it until dissolved in a strong lather. At a hand heat put it in the article. If strong, it may be rubbed as in washing; rinse it quickly in warm water, and add oil of vitriol, sufficient to give another water a sourish taste, if for bright yellows, crimsons, maroons, and scarlets; but for oranges, fawns, browns, or other shades, use no acid. For bright scarlet, use a solution of tin. Gently squeeze and then roll it in a coarse sheet, and wring it. Hang it in a warm room to dry, and finish it by calendering or mangling.

For pinks, rose colours, and thin shades, &c., instead of oil vitriol, or solution of tin, prefer lemon-juice, or white tartar, or vinegar.

For blues, purples, and their shades, add a small quantity of American pearlash; it will restore the colours. Wash the articles like a linen garment, but, instead of wringing, gently squeeze and sheet them, and when dry, finish them with fine gum-water, or dissolved isinglass, to which add some pearlash, rubbed on the wrong side; then pin them out.

Blues of all shades are dyed with archil, and afterwards dipped in a vat; twice cleaning with pearlash, restores the colour. For olive-greens, a small quantity of verdigris dissolved in water, or a solution of copper, mixed with the water, will revive the colour again.

Cast Engravings.—Take the engraved plate you intend to copy, and arrange a support of suitable materials round it, then pour on it the following alloy in a state of perfect fusion: tin, 1 part; lead, 64 parts; antimony, 12 parts. These "cast plates," may be worked off on a common printing-press, and offer a ready mode of procuring cheap copies of the works of our celebrated artists.

Copal Varnish.—Copal, 30 parts; drying oil, 25 parts; spirits of turpentine, 50 parts. Put the copal into a vessel capable of holding 200 parts, and fuse it as quickly as possible, then add the oil previously heated to nearly the boiling point; well mix, next cool a little, add the spirits of turpentine; again well mix and cover up until the temperature has fallen to 140° Fahr., then strain.

Draught for Diarrhæa.—Take tincture of opium, 30 drops; prepared chalk, 2 drachms; powdered gum, 4 drachms; tincture of catechu, 2 drachms; rose-water, 2 ounces. Mix, and take a table spoonful three or four times a day.

Fine Pale Copal Varnish.—Pale African copal, 1 part. Fuse, then add hot pale oil, 2 parts. Boil until the mixture is stringy, then cool a little and add pale turpentine (spt), 3 parts. Mix well.

Flaxen Grey Copal Varnish.—Ceruse, which forms the ground of the paste, mixed with a small quantity of Cologne earth, as much English red, or carminated lake, and a particle of Prussian blue, and color the varnish therewith.